

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number  
**WO 03/088270 A1**

(51) International Patent Classification<sup>7</sup>: **G21G 4/08**,  
A61J 1/00, G21F 5/015

(21) International Application Number: PCT/GB02/05613

(22) International Filing Date:  
11 December 2002 (11.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0208354.1 11 April 2002 (11.04.2002) GB

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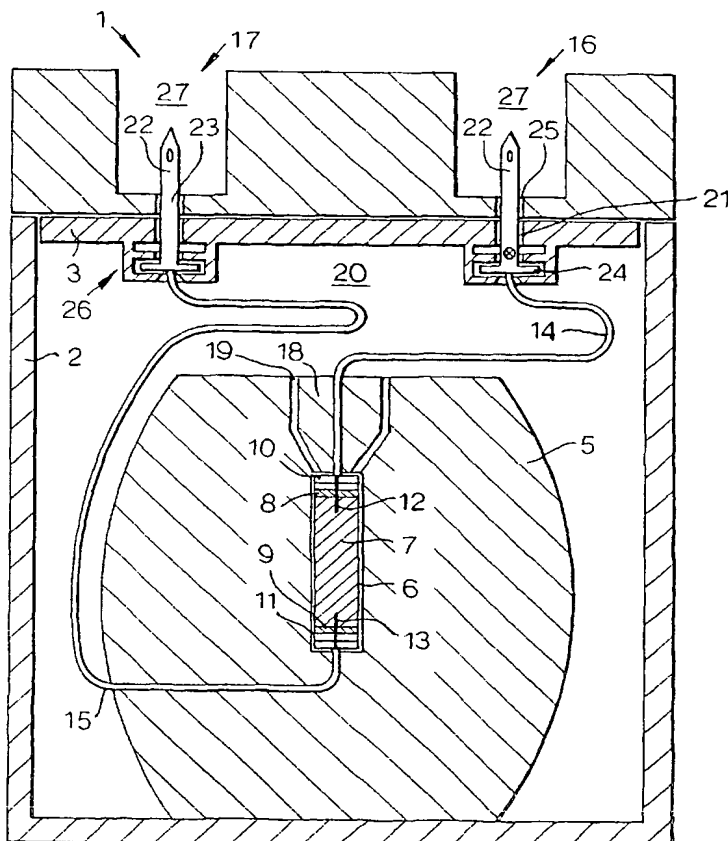
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: RADIOISOTOPE GENERATOR



(57) Abstract: The invention relates to a device for producing a fluid containing a radioactive constituent, the device comprising: a shielded chamber (5) within which is located an isotope container (6) housing a radioactive isotope (7), the shielded chamber including first and second fluid connections (12,13) to opposing ends of the isotope container and a fluid conduit (14,15) extending from each of the first and second fluid connections to a fluid inlet (16) and a fluid outlet (17) respectively characterised in that the fluid inlet comprises a single spike (22) having a substantially circular cross-section, the spike being adapted to penetrate the rubber seal of a vial and the spike having two bores, the first bore extending from a first aperture adjacent the tip of the spike to a fluid connection adjacent the fluid conduit and the second bore extending from a second, separate aperture in the spike to a filtering air inlet.

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